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**FACSIMILE TRANSMISSION**

**DATE:** September 21, 2006

**MATTER NUMBER:** 13688 10416320

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UNITED STATES PATENT & TRADEMARK OFFICE		

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**RE:** CORRECTION TO LIST OF INVENTORS

**NUMBER OF PAGES INCLUDING COVER PAGE:** 8 Originals Will Not Follow

**MESSAGE:**

Submitted herewith for filing are the following documents:

- ☒ Red-lined Filing Receipt
- ☒ Declaration showing order of inventors
- ☒ Copy of WO 03/106679 A1 showing order of inventors

Please provide an updated Filing Receipt for our files.

Thank you for your help with this matter.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECLARATION FOR PATENT APPLICATION

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHODS OF PRODUCING DNA AND PROTEIN LIBRARIES**

the specification of which was filed on as Application No. 10/518174

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at **Fulbright & Jaworski L.L.P.**, 865 South Figueroa, Twenty-Ninth Floor, Los Angeles, California 90017-2571, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

**FOREIGN PRIORITY CLAIM**

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

- ☐ no such foreign applications have been filed
- ☐ such foreign application have been filed as follows:

Attorney Docket No.:

**EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
0213816.2	GB	14 June 2002	<input checked="" type="checkbox"/> Yes No <input type="checkbox"/>
GB2003/002573	PCT	13 June 2003	<input checked="" type="checkbox"/> Yes No <input type="checkbox"/>
			<input type="checkbox"/> Yes No <input type="checkbox"/>

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

Application Number	Country	Date of Filing

**CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS**

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

- ☐ no such U.S. provisional applications have been filed.
- ☐ such U.S. provisional application have been filed as follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
		<input type="checkbox"/> Yes No <input type="checkbox"/>
		<input type="checkbox"/> Yes No <input type="checkbox"/>
		<input type="checkbox"/> Yes No <input type="checkbox"/>

**CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)**

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

Attorney Docket No.:

- ☐ no such U.S./PCT applications have been filed.
- ☐ such U.S./PCT application have been filed as follows:

Application Number	Date of Filing	Status (Patented/Pending/Abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

Robert Berliner	20,121	John D. McConaghy	26,773	Conrad R. Solum, Jr.	20,467
M. John Carson	25,090	David M. Morse	50,505	Gregory B. Wood	28,133
Margaret A. Churchill	39,944	Billy A. Robbins	18,313	Miles Yamanaka	45,665
John M. May	26,200	Terri L. Sale	45,066		

all of **Fulbright & Jaworski L.L.P.**, 865 South Figueroa, Twenty-Ninth Floor, Los Angeles, California 90017-2571, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

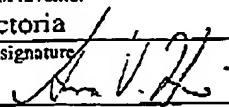
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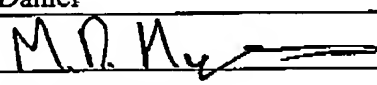
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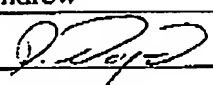
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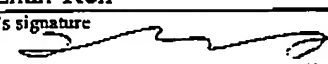
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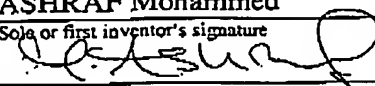
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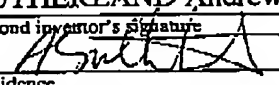
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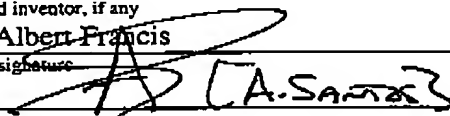
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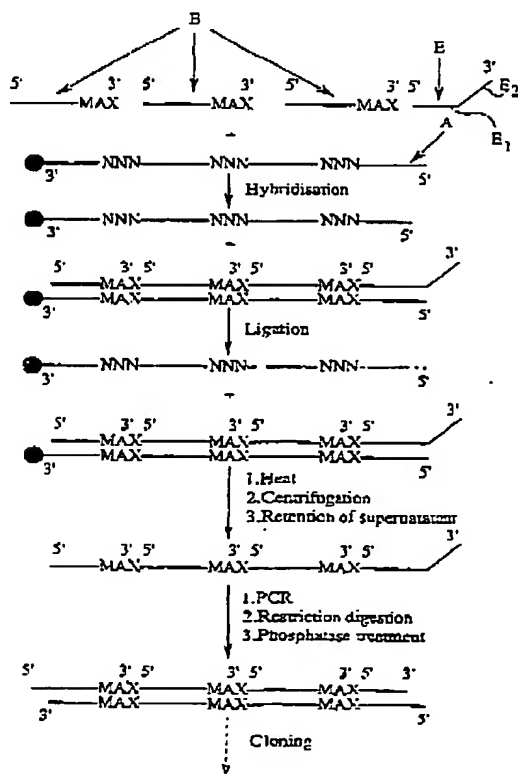
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[Continued on next page]

(54) Title: METHODS OF PRODUCING DNA AND PROTEIN LIBRARIES



(57) Abstract: The present invention provides a method of producing a DNA library comprising a plurality of DNA sequences of interest, where each DNA sequence of interest has at least two predetermined positions, with at each predetermined position a codon (MAX) selected from a defined group for that position, the codons within a group coding for different amino acids. The method comprising the steps of: - (i) contacting so as to effect hybridisation (a) template DNA (A) comprising said at least two predetermined positions, said template DNA being fully randomised at said at least two predetermined positions (NNN), (b) for each predetermined position, a selection oligonucleotide pool, each selection oligonucleotide (B) within each pool comprising a codon (MAX) selected from the defined group for that predetermined position, and (c) at least one additional oligonucleotide sequence (E) comprising a region (E2) which is non-hybridisable to the template DNA, (ii) ligating the hybridised DNA sequences (B, E), (iii) denaturing the product of step (ii) so as to give a mixed population of said template DNA (A) and said DNA sequences of interest, and (iv) selectively amplifying the DNA sequences of interest. The additional oligonucleotide sequence (E) of step (i) is selected such that after step (ii) the non-hybridisable region (E2) is located externally of the template DNA (A). The invention also provides protein and DNA libraries which can be produced by the method of the invention.

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